

ABSTRACT OF THE DISCLOSURE

A polarization stereoscopic display device and a method of its manufacture. A liquid crystal display panel displays an information in accordance with signal data comprised of left-eye and right-eye image information, a polarizer polarizes modulated light through polarizer.

5 A patterned retarder layer separates light by polarization into a left-eye picture and a right-eye picture in accordance with its pattern. A light waveguide disposed between the polarizer and the retarder layer reduces polarization changes between the polarizer and the retarder layer.

Beneficially, the polarizer, waveguide, and retarder layer are formed into an integral unit. The retarder layer includes a chiral material, and a waveguide layer for the substrate is beneficially
10 comprised of a solvent-proof polymer.